

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

*MPP*

Date: 10.02.01	Job No.: RD0335JAN	ADR Yes/No: Y	ADR Date: 10.02.02	ECN #: 10 - 513
Product No.: D350-689		Created By: JPH	Approved By: <i>[Signature]</i>	
Product Name: DUAL HIGH BACK SEAT		Checked By: <i>[Signature]</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	
Production Document Control	Y	BG	
Purchasing Coord.	Y	CL	
Production Engineering Coord.	Y	DD	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	Y	JM	
Customer Technical Support	Y	DS/MB	
Marketing	Y	SW	
Customer Order Processing	N		

**Reason for Change:** TO PROVIDE INSTALLATION ISTRUCTIONS TO INSTALL DSI9495-011 REINFORCED BACK FRAME KIT

**Documents Affected:**  
DSI 9495 REV. A

**PARTS MUST COMPLY** ☐ **PREVIOUS PARTS SATISFACTORY** ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N/A			
2	Notify Eurocopter France	N/A			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	Y	JPH		
5	Update Master Document List (MDL)	N/A			
6	Update Product Compatability Matrix	N/A			
7	Create Eurocopter Form (FEE)	N/A			
3	Notify TC / FAA of Change	N/A			
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files	Y	KJ		10.02.10 <i>[Signature]</i>
11	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ	REF ONLY	10.02.10 <i>[Signature]</i>
12	Update Controlled PDF Files	Y	KJ		10.02.10 <i>[Signature]</i>
13	Update Document Record (DR)	Y	KJ	Rev. H	
14	Update Product Development Summary	N/A			
15	Update QSI 021 and/or STC Approval List	N/A			
16	Update Parts / <del>STC</del> Database	Y	KJ	ADD DSI 9495-011	10.02.10 <i>[Signature]</i>
17	Update / Verify ARC Database	Y	KJ	# 55	10.02.10 <i>[Signature]</i>
18	Create / Update Change Record Form / Item Card Database	Y	KJ	CHG 001	10.02.10 <i>[Signature]</i>
19	Create / Update PPP's	Y	KJ		
20	Update Document Control Database / Laminated Dwgs	N/A			
21	Update Grey Project / Electronic Binder PDF Files	Y	KJ		10.02.10 <i>[Signature]</i>
22	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		10.02.10 <i>[Signature]</i>
23					
24					

**Description / Action:**  
RELEASE DSI 9495 REV A. CHANGE 001

*le w/o 5620 -011*  
*10-02-19 56376 -021*

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_

# **ENGINEERING CHANGE NOTICE** **DART AEROSPACE LTD**

MPP

Date: 10.01.20	Job No.: RD0335JAN	ADR Yes/No: Y	ADR Date: 10.01.20	ECN #: 10 - 504
Product No.: D350-689		Created By: JPH	Approved By: [Signature]	
Product Name: DUAL HIGH BACK SEAT		Checked By: [Signature]	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	
Production Document Control	Y	BG	
Purchasing Coord.	Y	CL	
Production Engineering Coord.	Y	DD	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	Y	JM	
Customer Technical Support	Y	DS/MB	
Marketing	Y	SW	
Customer Order Processing	N		

**Reason for Change:** TO REINFORCE THE JUNCTION BETWEEN THE BACK FRAME ASSY AND THE SEAT FRAME ASSY BY INCREASING THE WALL THICKNESS OF D3017-5 TUBE AND THE BOLTS USED.

**Documents Affected:**  
D3017 REV B  
DEO D3016-A-1  
DSI 9498 REV A

**PARTS MUST COMPLY** ☒ **PREVIOUS PARTS SATISFACTORY** ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N/A			
2	Notify Eurocopter France	N/A			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	Y	JPH		10.02.10 [Signature]
5	Update Master Document List (MDL)	N/A			
6	Update Product Compatibility Matrix	N/A			
7	Create Eurocopter Form (FEE)	N/A			
	Notify TC / FAA of Change	N/A			

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files	Y	KJ		10.02.10 [Signature]
11	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		10.02.10 [Signature]
12	Update Controlled PDF Files	Y	KJ		10.02.10 [Signature]
13	Update Document Record (DR)	Y	KJ	Rev. #	10.02.10 [Signature]
14	Update Product Development Summary	N/A			
15	Update QSI 021 and/or STC Approval List	N/A			
16	Update Parts / STC Database	N/A			
17	Update / Verify ARC Database	N/A			
18	Create / Update Change Record Form / Item Card Database	Y	KJ		10.02.10 [Signature]
19	Create / Update PPP's	Y	KJ		
20	Update Document Control Database / Laminated Dwgs	N/A			
21	Update Grey Project / Electronic Binder PDF Files	Y	KJ		10.02.10 [Signature]
22	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		10.02.10 [Signature]
23					
24					

**Description / Action:**  
RELEASE D3017-REV B, DEO D3016-A-1 AND DSI 9498 REV A.  
UPDATE CHANGE Nos TO: D350-689-011 CHANGE 003, D350-689-021 CHANGE 002, D350-689-041 CHANGE 002 AND D350-689-043 CHANGE 002

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_

# List Lots

February 22, 2010 9:28:42 AM

Page 1 of 1

Criteria : Item ID: d350-689-011 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
D350-689-011 Dual High Back Seat	Main Warehouse FG	43511	12/05/09	1.0000	QC21	CHG002	
	Main Warehouse FG	50177	12/05/09	1.0000	QC21	CHG002	
		Total:		2.0000			

## List Lots

February 22, 2010 9:46:44 AM

Page 1 of 1

Criteria : Item ID: d350-689-021 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D350-689-021 Dual High Back Seat, LH	Main Warehouse FG	44405	12/05/09	1.0000		QC21	CHG001	
			<b>Total:</b>	1.0000				

## Under Review Notification

**Raised By:** JUAN HURTADO

**Date:** 10.01.13

**Product #:** D350-689

**Product Name:** DUAL HIGH BACK SEAT

Drawing/Kit Number	Drawing/Kit Description	Quantity on Hand (Stock)	Quantity on Order (Production)	Quantity Allocated (Customer Order)	HOLD SHIPMENT	Red Tag/Quarantine Stock	Advise customers	Stop Production	Re-Work Stock	IPP Under Review	Blue File Under Review	ECN #	Instructions
D3017-041	BACK FRAME ASSEMBLY				Y	Y	N	Y		Y	Y	10-504	D3017 REV.A PLACED UNDER REVIEW.

**Description of issue:**

- A CUSTOMER HAS COMPLAINED THAT THE JUNCTION BETWEEN THE BACK FRAME (D3017-041) AND THE BASE IS WEAK AND THAT THE HOLES ARE GETTING ELONGATED. IT HAS BEEN DECIDED TO INCREASE THE WALL THICKNESS OF D3017-5 TUBE.  
 -D350-689-011 & D350-689-041 BLUE FILE UNDER REVIEW

SEN?

**Distribution:**

General Manager  
 Production Manager  
 Director Quality Assurance  
 Design Manager  
 Chief Engineer

Production Engineering Coordinators  
 Quality Assurance Coordinator  
 Quality Control Coordinator  
 Order Processing  
 Customer Technical Support

Engineering Project Managers  
 Engineering Clerk  
 Marketing



**Work Order ID 52350**

January 13, 2010 11:01:57 AM



Page 1

Item ID: D3017-041

Accept



Setup Start



Revision ID: A

Stop



Item Name: Back Frame Assembly

Start Date: 9/23/09 Start Qty: 3.00



Cust Item ID:

Required Date: 10/09/09 Req'd Qty: 3.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D3017

Rev A

100

0.00



Large Fab

Large Fab

Memo

0.00

Large Fab

1-Cut all tubes as per Dwg D3017

2-Bend tube as per dwg D3017

3-Drill holes in D3017-5 Using DT8622

4-Deburr

5-Assemble and weld as per Dwg D3017 using Welding Jig DT8598

A/R 4130 Rod Batch: \_\_\_\_\_

6-Drill holes in back frame using back pan

110

QC9- Inspect visual per QSI004- Fusion Welds

0.00



QC

Memo

0.00

Quality Control

RECEIVED ONLY

**Work Order ID 52350**

January 13, 2010 11:01:58 AM



Page 2

Item ID: D3017-041

Accept



Setup Start



Revision ID: A

Stop



Item Name: Back Frame Assembly

Start Date: 9/23/09 Start Qty: 3.00



Cust Item ID:

Required Date: 10/09/09 Req'd Qty: 3.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

130

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00



Powdercoat

Memo

0.00

Powder Coating

START TIME: \_\_\_\_\_

OVEN TEMPERATURE: \_\_\_\_\_

FINISH TIME: \_\_\_\_\_

140

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

REFERENCE ONLY



**Work Order ID 52350**

January 13, 2010 11:01:58 AM



Page 3

Item ID: D3017-041

Accept



Setup Start



Revision ID: A

Stop



Item Name: Back Frame Assembly

Start Date: 9/23/09 Start Qty: 3.00



Cust Item ID:

Required Date: 10/09/09 Req'd Qty: 3.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

150

Identify as per dwg &amp; Stock Location: \_\_\_\_\_

0.00



Packaging

Memo

0.00

Packaging

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

